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MLUG

mlog record #	record status	log entry type	record type	date	time	sequence number	NOT USED	temperature (internal thermister)	elapsed time	ionto voltage	ionto current	sensor A current	sensor A elapsed biosensor time	sensor B current	sensor B elapsed biosensor time	Sweat Reading
0	OK or CORRUPT	1 (IONTO), 2 (MBIO), 3 (ID/ERROR #), 4 (SWEAT)	SHUTDOWN, NEWBAT, START, MBIO, MION, SWEAT	4/26/00	11:54:11	32	20.2	42.5	0:00:00	---	---	---	---	---	---	---
1	OK	3	NEWBAT	4/26/00	12:56:16	32	20.2	22.8	0:00:00	---	---	---	---	---	---	---
2	OK	3	START	4/26/00	13:28:41	32	20.2	27.1	0:00:00	---	---	---	---	---	---	---
3	OK	2	MBIO	4/26/00	13:29:41	34	20.4	28.1	---	---	---	3544	58	3612	58	---
4	OK	2	MBIO	4/26/00	13:30:41	34	20.4	28.6	---	---	---	2477	118	2532	118	---
5	OK	2	MBIO	4/26/00	13:30:46	34	20.4	28	0:02:06	-2.2	0.02	---	---	---	---	---
6	OK	1	MION	4/26/00	13:31:46	34	20.4	28.4	0:03:06	-3.2	0.02	---	---	---	---	---
7	OK	1	MION	4/26/00	13:32:41	34	20.4	28.7	0:04:01	-3.2	0.02	---	---	---	---	---
8	OK	2	MBIO	4/26/00	13:34:41	42	21.2	29.8	---	---	---	---	---	---	---	---
9	OK	2	MBIO	4/26/00	13:36:41	42	21.2	30.4	---	---	---	---	---	---	---	---
10	OK	2	MBIO	4/26/00	13:38:41	42	21.2	30.7	---	---	---	3803	359	4028	359	---
11	OK	2	MBIO	4/26/00	13:40:41	42	21.2	31	---	---	---	3358	479	3565	479	---
12	OK	2	MBIO	4/26/00	13:42:41	42	21.2	31.2	---	---	---	3054	599	3256	599	---
13	OK	1	MION	4/26/00	13:44:09	42	21.2	30.7	0:15:29	8.9	0.16	---	---	---	---	---
14	OK	1	MION	4/26/00	13:45:36	42	21.2	30.9	0:16:56	9.7	0.32	---	---	---	---	---
15	OK	2	MBIO	4/26/00	13:49:41	42	21.2	31.7	---	---	---	245	239	231	239	---
16	OK	2	MBIO	4/26/00	13:53:41	42	21.2	31.8	---	---	---	217	479	216	479	---
17	OK	1	MION	4/26/00	13:53:58	42	21.2	31.2	0:25:18	-10.7	0.32	---	---	---	---	---
18	OK	1	MION	4/26/00	13:58:41	42	21.2	31.6	0:28:01	-7.2	0.32	---	---	---	---	---
19	OK	2	MBIO	4/26/00	14:00:41	42	21.2	32.2	---	---	---	259	119	328	119	---
20	OK	2	MBIO	4/26/00	14:02:41	42	21.2	32	---	---	---	236	239	275	239	---
21	OK	2	MBIO	4/26/00	14:03:21	42	21.2	31.9	---	---	---	216	359	246	359	---
22	OK	2	MBIO	4/26/00	14:03:26	42	21.2	31.9	---	---	---	212	399	242	399	---
23	OK	2	MBIO	4/26/00	14:03:41	42	21.2	31.9	---	---	---	212	404	241	404	---
24	OK	4	SWEAT	4/26/00	14:03:41	35	20.5	31.7	0:35:01	---	---	---	---	---	---	0.41485
25	OK	1	MION	4/26/00	14:03:57	33	20.3	31.2	0:35:17	9	0.32	---	---	---	---	---
26	OK	1	MION	4/26/00	14:06:36	33	20.3	31.6	0:37:56	7	0.32	---	---	---	---	0.29774
27	OK	4	SWEAT	4/26/00	14:06:51	35	20.5	31.9	0:38:01	---	---	---	---	---	---	---
28	OK	2	MBIO	4/26/00	14:06:56	33	20.3	32.1	---	---	---	879	9	728	9	---
29	OK	2	MBIO	4/26/00	14:07:01	33	20.3	32.1	---	---	---	664	14	551	14	---
30	OK	2	MBIO	4/26/00	14:07:11	33	20.3	32.1	---	---	---	563	19	465	19	---
31	OK	2	MBIO	4/26/00	14:07:11	33	20.3	32.2	---	---	---	464	29	383	29	---
32	OK	2	MBIO	4/26/00	14:07:21	33	20.3	32.2	---	---	---	415	39	338	39	---

FIG. 1A

33	OK	2	MBIO	4/26/00	14:07:41	33	20.3	32.2	---	---	---	362	59	297	59	---
34	OK	2	MBIO	4/26/00	14:08:01	33	20.3	32.2	---	---	---	331	79	275	79	---
35	OK	2	MBIO	4/26/00	14:08:41	33	20.3	32.3	---	---	---	295	119	255	119	---
36	OK	2	MBIO	4/26/00	14:09:41	33	20.3	32.4	---	---	---	264	179	239	179	---
37	OK	2	MBIO	4/26/00	14:10:41	33	20.3	32.3	---	---	---	245	239	229	239	---
38	OK	2	MBIO	4/26/00	14:11:41	33	20.3	32.3	---	---	---	231	299	221	299	---
39	OK	2	MBIO	4/26/00	14:13:21	33	20.3	32.2	---	---	---	214	399	216	399	---
40	OK	2	MBIO	4/26/00	14:13:26	33	20.3	32.2	---	---	---	213	404	215	404	---
41	OK	4	SWEAT	4/26/00	14:13:31	35	20.5	32	0.44:51	---	---	---	---	---	---	0.1726
42	OK	4	SWEAT	4/26/00	14:13:41	35	20.5	31.9	0.45:01	---	---	---	---	---	---	0.20463
43	OK	1	MION	4/26/00	14:13:57	33	20.3	31.5	0.45:17	-7.8	0.32	---	---	---	---	---
44	OK	1	MION	4/26/00	14:16:36	33	20.3	31.5	0.47:56	-6.3	0.32	---	---	---	---	---
45	OK	4	SWEAT	4/26/00	14:16:41	35	20.5	31.8	0.48:01	---	---	---	---	---	---	0.31396
46	OK	2	MBIO	4/26/00	14:16:51	33	20.3	32	---	---	---	688	9	820	9	---
47	OK	2	MBIO	4/26/00	14:16:56	33	20.3	32	---	---	---	510	14	631	14	---
48	OK	2	MBIO	4/26/00	14:17:01	33	20.3	32	---	---	---	427	19	540	19	---
49	OK	2	MBIO	4/26/00	14:17:11	33	20.3	32	---	---	---	348	29	452	29	---
50	OK	2	MBIO	4/26/00	14:17:21	33	20.3	32	---	---	---	309	39	404	39	---
51	OK	2	MBIO	4/26/00	14:17:41	33	20.3	32	---	---	---	271	59	356	59	---
52	OK	2	MBIO	4/26/00	14:18:01	33	20.3	32.1	---	---	---	251	79	326	79	---
53	OK	2	MBIO	4/26/00	14:18:41	33	20.3	32.1	---	---	---	229	119	293	119	---
54	OK	2	MBIO	4/26/00	14:18:41	33	20.3	32.2	---	---	---	213	179	263	179	---
55	OK	2	MBIO	4/26/00	14:20:41	33	20.3	32.3	---	---	---	202	239	245	239	---
56	OK	2	MBIO	4/26/00	14:21:41	33	20.3	32.3	---	---	---	196	299	229	299	---
57	OK	2	MBIO	4/26/00	14:23:21	33	20.3	32.4	---	---	---	194	399	223	399	---
58	OK	2	MBIO	4/26/00	14:23:26	33	20.3	32.3	---	---	---	196	404	223	404	---
59	OK	4	SWEAT	4/26/00	14:23:31	35	20.5	32.1	0.54:51	---	---	---	---	---	---	0.24415
60	OK	4	SWEAT	4/26/00	14:23:41	35	20.5	32.1	0.55:01	---	---	---	---	---	---	0.21609
61	OK	1	MION	4/26/00	14:23:57	33	20.3	31.7	0.55:17	6.9	0.32	---	---	---	---	---
62	OK	1	MION	4/26/00	14:28:36	33	20.3	31.8	0.57:56	6.3	0.32	---	---	---	---	---
63	OK	4	SWEAT	4/26/00	14:28:41	35	20.5	32.2	0.58:01	---	---	---	---	---	---	0.21705
64	OK	2	MBIO	4/26/00	14:28:51	33	20.3	32.4	---	---	---	787	9	690	9	---
65	OK	2	MBIO	4/26/00	14:26:56	33	20.3	32.4	---	---	---	588	14	519	14	---
66	OK	2	MBIO	4/26/00	14:27:01	33	20.3	32.4	---	---	---	496	19	439	19	---
67	OK	2	MBIO	4/26/00	14:27:11	33	20.3	32.4	---	---	---	410	29	360	29	---
68	OK	2	MBIO	4/26/00	14:27:21	33	20.3	32.4	---	---	---	367	39	319	39	---
69	OK	2	MBIO	4/26/00	14:27:41	33	20.3	32.5	---	---	---	323	59	281	59	---
70	OK	2	MBIO	4/26/00	14:28:01	33	20.3	32.5	---	---	---	296	79	261	79	---
71	OK	2	MBIO	4/26/00	14:28:41	33	20.3	32.6	---	---	---	267	119	239	119	---
72	OK	2	MBIO	4/26/00	14:29:41	33	20.3	32.7	---	---	---	239	179	223	179	---
73	OK	2	MBIO	4/26/00	14:30:41	33	20.3	32.7	---	---	---	221	239	217	239	---
74	OK	2	MBIO	4/26/00	14:31:41	33	20.3	32.7	---	---	---	211	299	212	299	---
75	OK	2	MBIO	4/26/00	14:33:21	33	20.3	32.9	---	---	---	199	399	205	399	---
76	OK	2	MBIO	4/26/00	14:33:26	33	20.3	32.8	---	---	---	198	404	204	404	---
77	OK	4	SWEAT	4/26/00	14:33:31	35	20.5	32.6	1.04:51	---	---	---	---	---	---	0.21801

**FIG. 1B**

mlog record #	record status	log entry type	record type	date	time	sequence number	NOT USED	temperature (internal thermister)	elapsed time	ionto voltage	ionto current	sensor A elapsed biosensor time	sensor B elapsed biosensor time	Sweat Reading
	OK or CORRUPT	(KONTOL, 2 (MBIO), 3 (ID/ERROR e), 4 (SWEAT))	SHUTDOWN, HEMBAT, START, MBIO, MION, SWEAT			0-47		17-32.4 C						
384	OK	4	SWEAT	4/26/00	17:23:41	35	20.5	32.5	3:55:01	---	---	---	---	0.14579
385	OK	1	MION	4/26/00	17:23:57	33	20.3	32.1	3:55:17	4.5	0.32	---	---	---
386	OK	1	MION	4/26/00	17:26:36	33	20.3	31.7	3:57:56	5.6	0.32	---	---	0.09001
387	OK	4	SWEAT	4/26/00	17:26:41	35	20.5	32	3:58:01	---	---	---	---	---
388	OK	2	MBIO	4/26/00	17:26:51	33	20.3	32.2	---	---	---	9	564	---
389	OK	2	MBIO	4/26/00	17:26:56	33	20.3	32.1	---	---	---	14	427	---
390	OK	2	MBIO	4/26/00	17:27:01	33	20.3	32.1	---	---	---	19	360	---
391	OK	2	MBIO	4/26/00	17:27:11	33	20.3	32.1	---	---	---	29	297	---
392	OK	2	MBIO	4/26/00	17:27:21	33	20.3	32	---	---	---	39	265	---
393	OK	2	MBIO	4/26/00	17:27:41	33	20.3	32	---	---	---	59	234	---
394	OK	2	MBIO	4/26/00	17:28:01	33	20.3	31.9	---	---	---	79	216	---
395	OK	2	MBIO	4/26/00	17:28:41	33	20.3	31.8	---	---	---	119	194	---
396	OK	2	MBIO	4/26/00	17:29:41	33	20.3	31.7	---	---	---	179	178	---
397	OK	2	MBIO	4/26/00	17:30:41	33	20.3	31.6	---	---	---	239	168	---
398	OK	2	MBIO	4/26/00	17:31:41	33	20.3	31.6	---	---	---	299	158	---
399	OK	2	MBIO	4/26/00	17:33:21	33	20.3	31.7	---	---	---	399	151	---
400	OK	2	MBIO	4/26/00	17:33:26	33	20.3	31.7	---	---	---	404	149	---
401	OK	4	SWEAT	4/26/00	17:33:31	35	20.5	31.4	4:04:51	---	---	---	---	0.09443
402	OK	4	SWEAT	4/26/00	17:33:41	35	20.5	31.4	4:05:01	---	---	---	---	0.09886
403	OK	1	MION	4/26/00	17:33:57	33	20.3	31.1	4:05:17	-4.4	0.32	---	---	---
404	OK	1	MION	4/26/00	17:36:36	33	20.3	31.6	4:07:56	-5.3	0.32	---	---	---
405	OK	4	SWEAT	4/26/00	17:36:41	35	20.5	31.9	4:08:01	---	---	---	---	0.06199
406	OK	2	MBIO	4/26/00	17:36:51	33	20.3	32.1	---	---	---	9	513	---
407	OK	2	MBIO	4/26/00	17:36:56	33	20.3	32.2	---	---	---	14	385	---
408	OK	2	MBIO	4/26/00	17:37:01	33	20.3	32.2	---	---	---	19	323	---
409	OK	2	MBIO	4/26/00	17:37:11	33	20.3	32.2	---	---	---	29	263	---
410	OK	2	MBIO	4/26/00	17:37:21	33	20.3	32.2	---	---	---	39	236	---
411	OK	2	MBIO	4/26/00	17:37:41	33	20.3	32.3	---	---	---	59	208	---
412	OK	2	MBIO	4/26/00	17:38:01	33	20.3	32.3	---	---	---	79	193	---
413	OK	2	MBIO	4/26/00	17:38:41	33	20.3	32.4	---	---	---	119	180	---
414	OK	2	MBIO	4/26/00	17:39:41	33	20.3	32.5	---	---	---	179	169	---
415	OK	2	MBIO	4/26/00	17:40:41	33	20.3	32.6	---	---	---	239	162	---
416	OK	2	MBIO	4/26/00	17:41:41	33	20.3	32.6	---	---	---	299	157	---
417	OK	2	MBIO	4/26/00	17:43:21	33	20.3	32.6	---	---	---	399	151	---
418	OK	2	MBIO	4/26/00	17:43:26	33	20.3	32.5	---	---	---	404	150	---
419	OK	4	SWEAT	4/26/00	17:43:31	35	20.5	32.3	4:14:51	---	---	---	---	0.105

FIG. 2

mglog record #	record status	Date	Time	Event Code	BG Reading	Check Sum
	OK or CORRUPT			UNCAL (START), CAL, ERR_, MEAL, SNACK, SLEEP, etc.		
0	OK	4/26/00	13:28	UNCAL	0	607
1	OK	4/26/00	16:43	CAL	65	05A0
2	OK	4/26/00	17:03	ERR63	---	072F
3	OK	4/26/00	17:23	ERR63	---	732
4	OK	4/26/00	17:43	ERR36	---	735
5	OK	4/26/00	18:03	ERR36	---	733
6	OK	4/26/00	18:23	GL OK	193	654
7	OK	4/26/00	18:43	GL OK	166	657
8	OK	4/26/00	19:03	GL OK	146	653
9	OK	4/26/00	19:23	GL OK	148	658
10	OK	4/26/00	19:43	GL OK	133	067C
11	OK	4/26/00	20:03	GL OK	116	672
12	OK	4/26/00	20:23	GL OK	107	675
13	OK	4/26/00	20:43	GL OK	109	067A
14	OK	4/26/00	21:03	GL OK	95	064C
15	OK	4/26/00	21:23	GL OK	92	064C
16	OK	4/26/00	21:43	GL OK	79	654
17	OK	4/26/00	22:03	GL OK	93	064E
18	OK	4/26/00	22:23	GL OK	96	654
19	OK	4/26/00	22:43	GL OK	83	653
20	OK	4/26/00	22:50	MODE	0	5.00E+06
21	OK	4/26/00	22:51	LOLIM	40	674
22	OK	4/26/00	23:03	GL OK	90	648
23	OK	4/26/00	23:23	GL OK	93	064E
24	OK	4/26/00	23:43	GL OK	69	654
25	OK	4/27/00	0:03	ERR63	---	075D
26	OK	4/27/00	0:23	ERR63	---	760
27	OK	4/27/00	0:43	ERR63	---	763
28	OK	4/27/00	1:03	GL OK	69	651
29	OK	4/27/00	1:23	GL OK	76	652
30	OK	4/27/00	1:43	ERR63	---	075E
31	OK	4/27/00	2:03	ERR36	---	075C
32	OK	4/27/00	2:23	GL OK	85	064D
33	OK	4/27/00	2:43	GL OK	73	064D
34	OK	4/27/00	3:03	GL OK	84	064D
35	OK	4/27/00	3:23	GL OK	80	064C
36	OK	4/27/00	3:43	GL OK	89	658
37	OK	4/27/00	4:03	GL OK	79	655
38	OK	4/27/00	4:23	GL OK	73	652
39	OK	4/27/00	4:26	ENDSEQ	---	07D9

FIG. 3

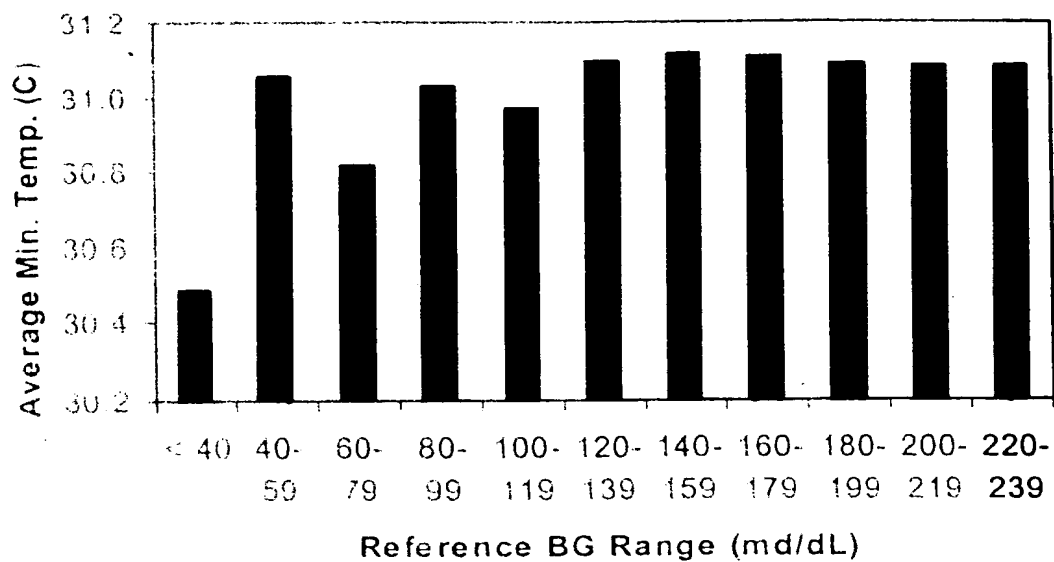


FIG. 4

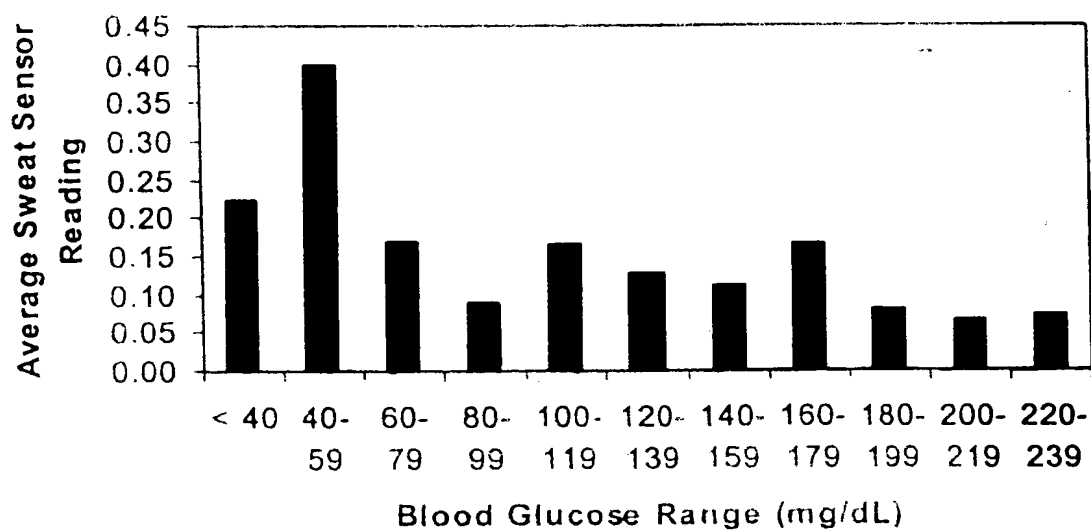


FIG. 5

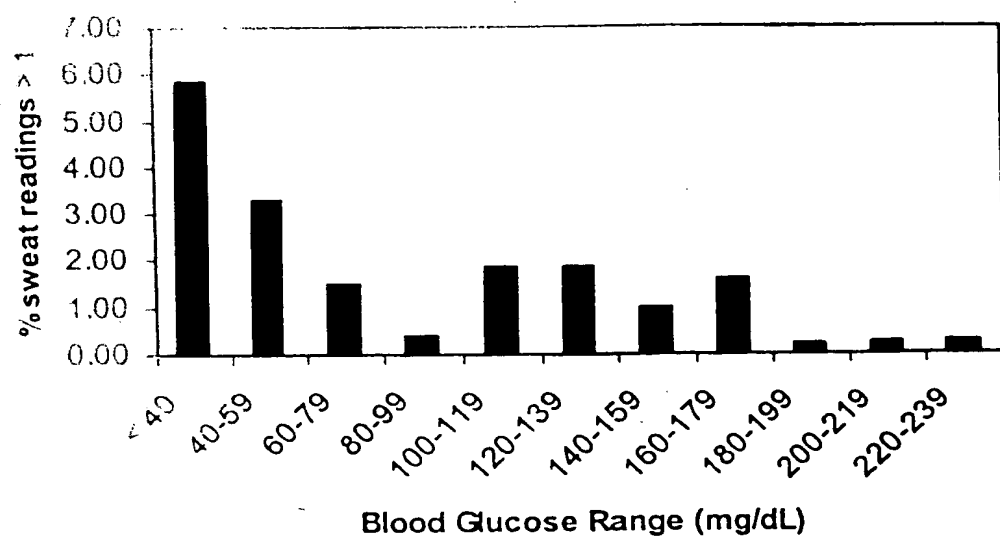
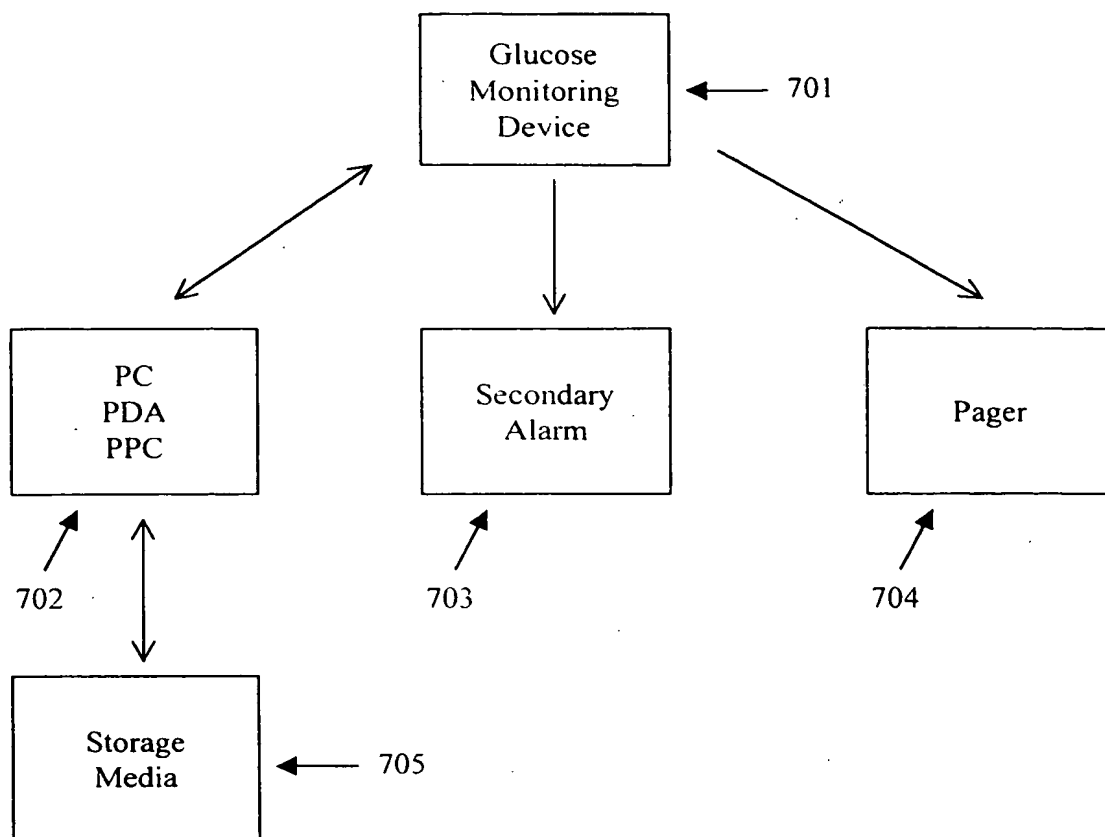
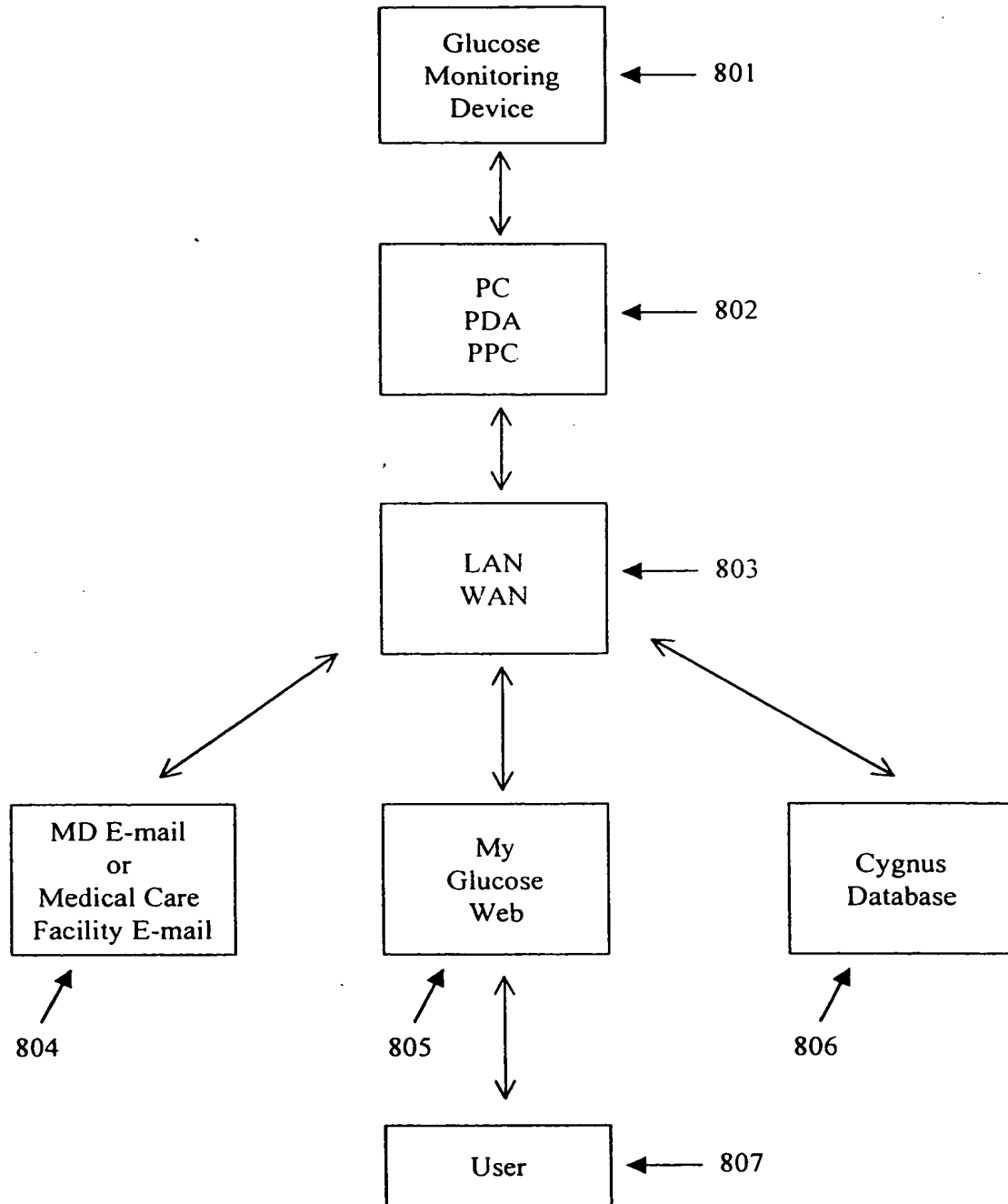


FIG. 6

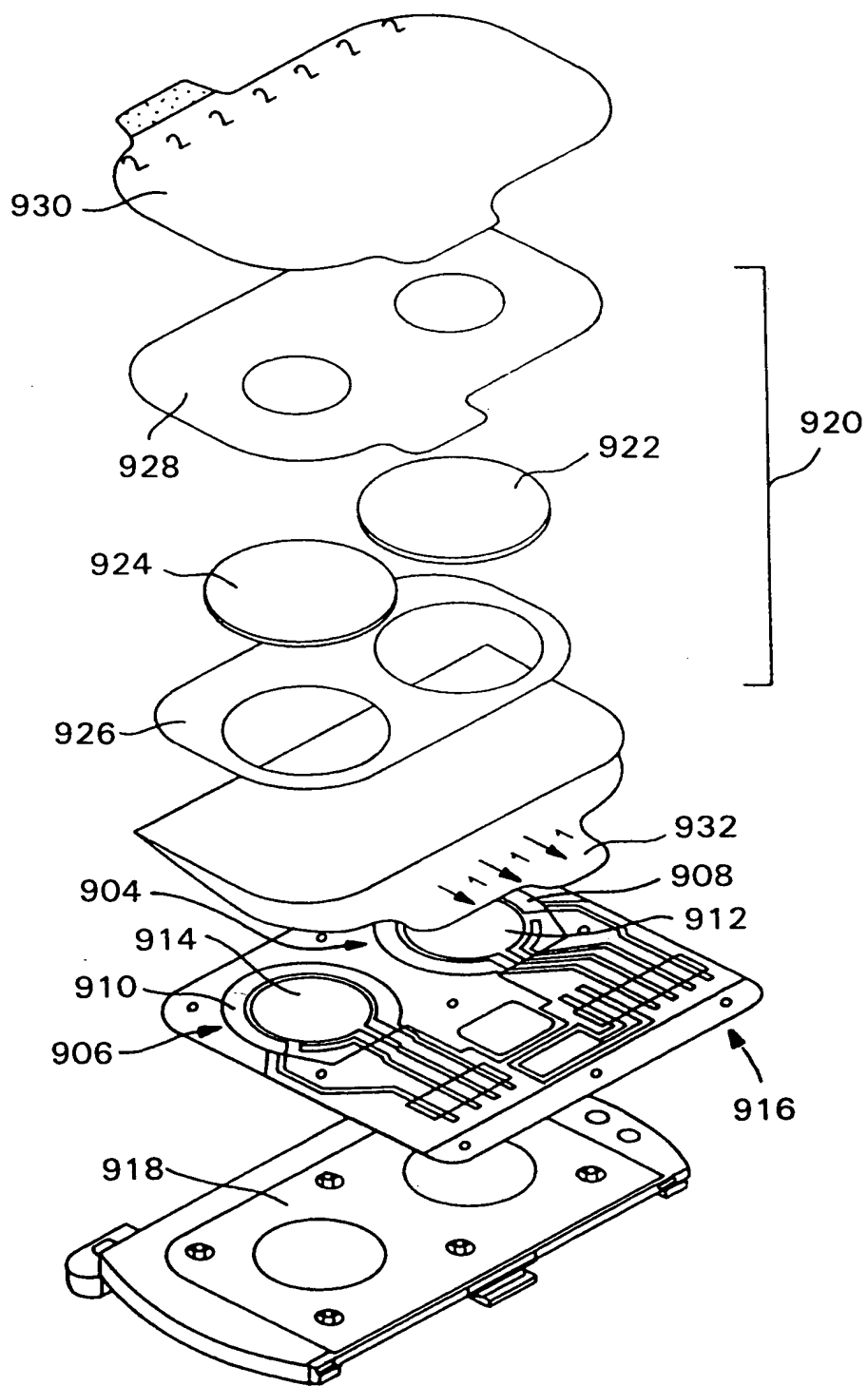


**FIG. 7**





**FIG. 8**



**FIG. 9**